

# Ohio Residential Plan Submittal Form (Overhead Electrical Service)

Stark County Building Department

3951 Convenience Cir NW Ste 110 • Canton, Ohio 44718 • ph 330-451-1770 • fax 330-491-8373

<b>Address of Project</b>		<b>City</b>		<b>Project Description</b>																		
<b>Contractor/DBA</b>		<b>Address</b>		<b>State License No</b>	<b>Phone No</b>																	
<b>Owner</b>		<b>Address</b>		<b>Phone No</b>																		
<b>Electrical Design</b>																						
<b>Panel Location in dwelling</b> (Basement, Garage, etc.)		<b>Size of Service in Amperes: (Check one below)</b>																				
		<table border="1"> <thead> <tr> <th></th> <th>Copper</th> <th>Aluminum</th> <th>Service Rating</th> <th rowspan="4">NEC 310-15 Conductor Sizes 120/240 VOLT 3-Wire, Single-Phase, Dwelling Services/Feeders</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td>4 AWG</td> <td>2 AWG</td> <td>100 Amps</td> </tr> <tr> <td><input type="checkbox"/></td> <td>1 AWG</td> <td>2/0 AWG</td> <td>150 Amps</td> </tr> <tr> <td><input type="checkbox"/></td> <td>2/0 AWG</td> <td>4/0 AWG</td> <td>200 Amps</td> </tr> </tbody> </table>					Copper	Aluminum	Service Rating	NEC 310-15 Conductor Sizes 120/240 VOLT 3-Wire, Single-Phase, Dwelling Services/Feeders	<input type="checkbox"/>	4 AWG	2 AWG	100 Amps	<input type="checkbox"/>	1 AWG	2/0 AWG	150 Amps	<input type="checkbox"/>	2/0 AWG	4/0 AWG	200 Amps
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## Electrical Service Requirements

**This information is not intended as a design specification or as an instruction for untrained persons.**

**NEC 110.3** All electrical equipment shall be installed and used in accordance with the listing requirements and manufacturer's instructions.

**NEC 250.50** All grounding electrodes that are present at each building or structure served shall be bonded together to form the grounding electrode system. Conductor size per NEC 250.66.

**NEC 250.52** Permitted Electrodes include:

1. Metal underground water pipe in direct contact with earth for 10 feet or more
2. Metal frame of the building
3. Concrete-encased electrode
4. Rod, pipe & plate electrodes

**NEC 230.66** Service equipment shall be marked to identify it as being suitable for use as service equipment.

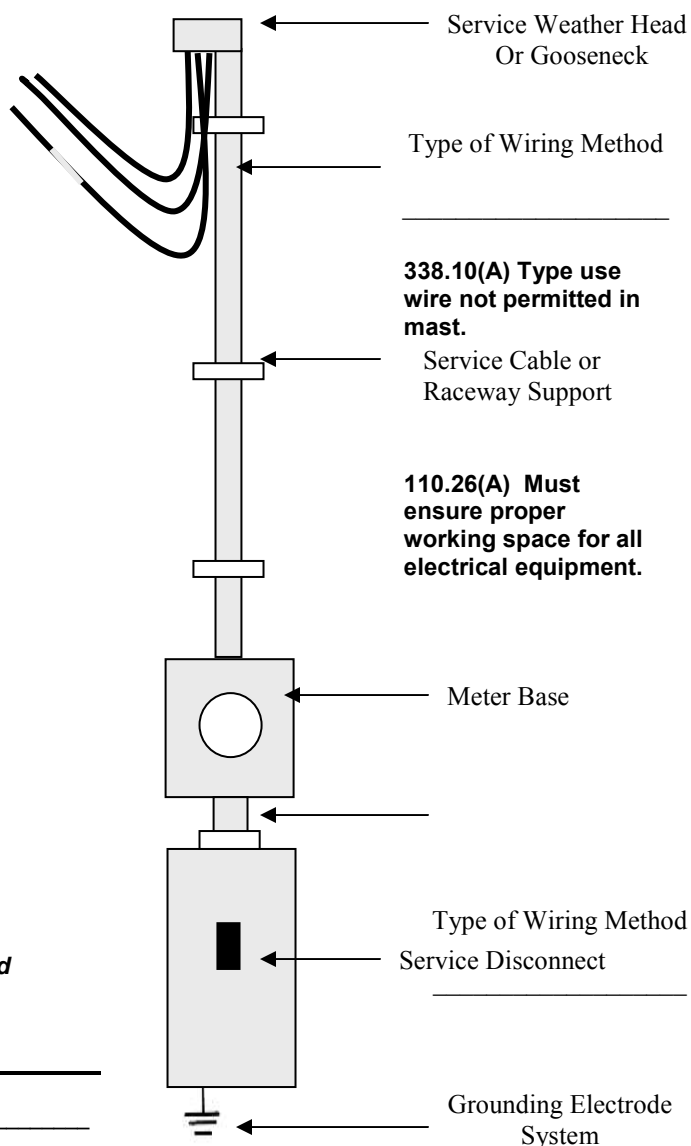
**NEC 230.70(A)(1)** The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors

**NEC 230.70(A)(3)** Service disconnecting means shall not be installed in bathrooms.

**NEC 230.71(A) & 230.72(A)** The service disconnect shall consists of not more than six switches or six sets of circuit breakers. These switches or circuit breakers shall be grouped at one location.

**NEC 230.79(C)** The service disconnect shall have a rating of not less than 100 amperes.

**NEC 230.90 & 230.91** Each ungrounded service conductor shall have overload protection. The service overcurrent device shall be an integral part of the service disconnecting means or shall be located immediately adjacent thereto.



**I hereby do certify that all information given above is correct and accurate and has been included as part of the submitted plans.**

PRINTED NAME (Owner/Applicant)

TITLE

SIGNATURE

DATE